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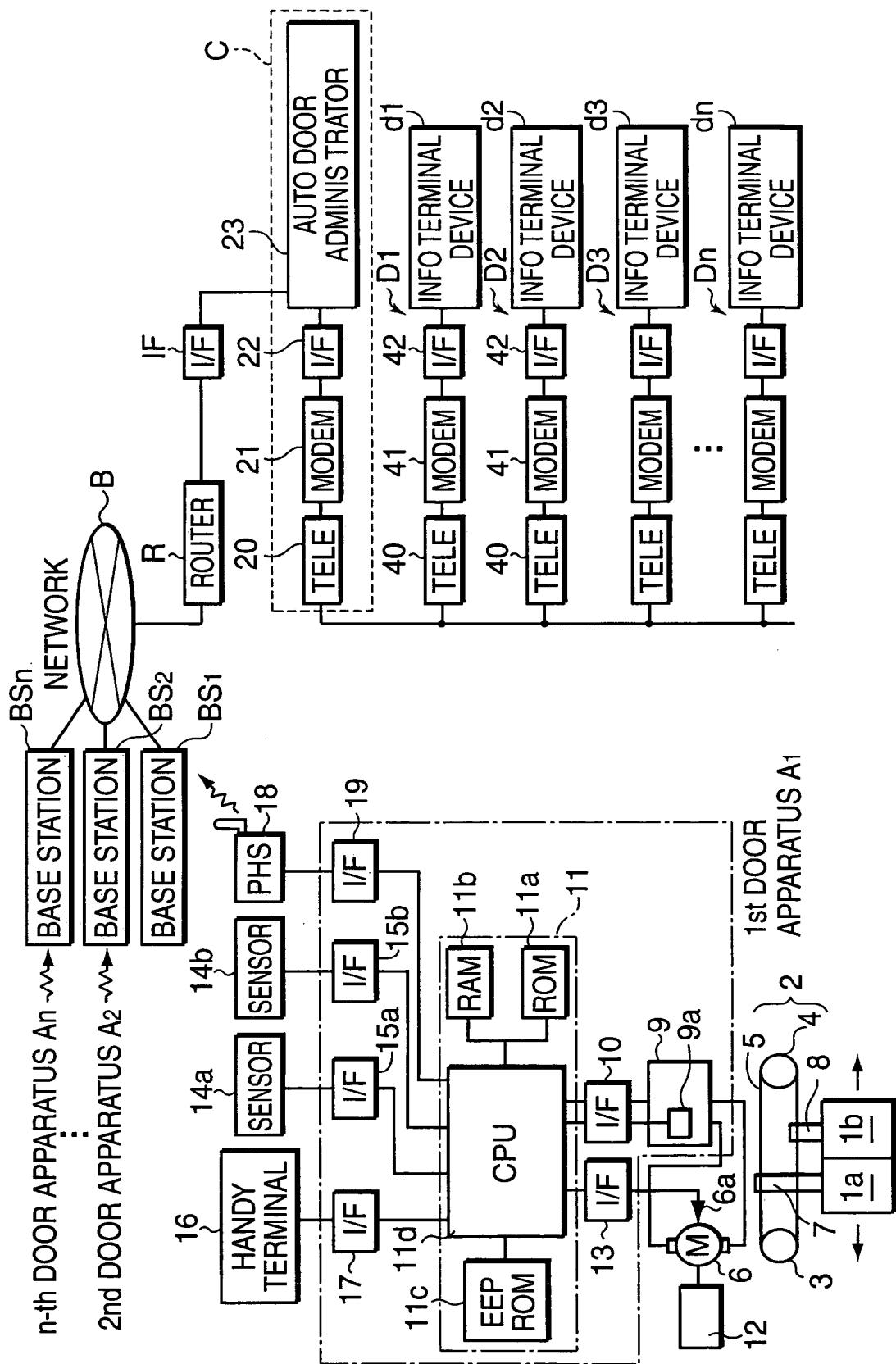


FIG.2

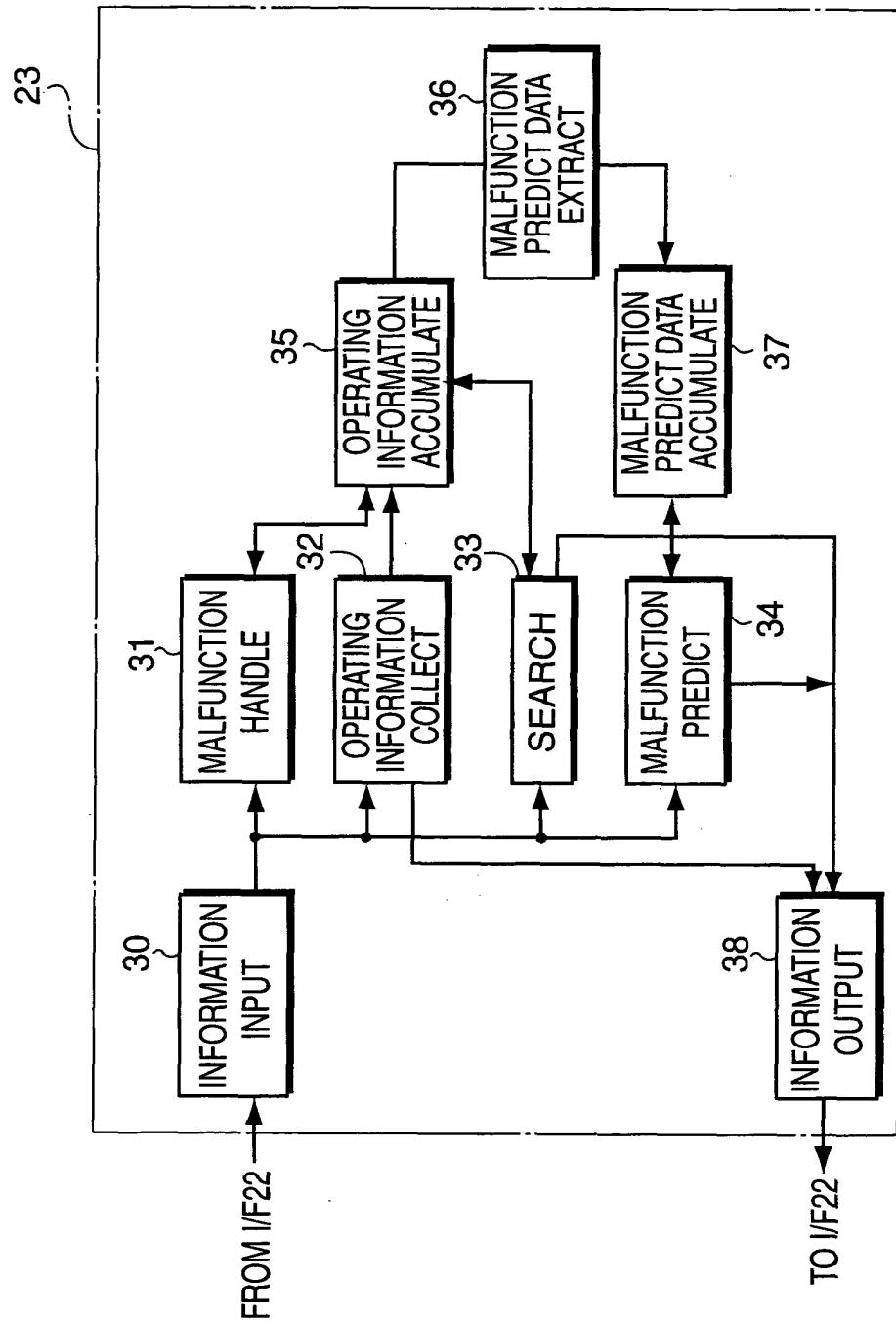


FIG.3A

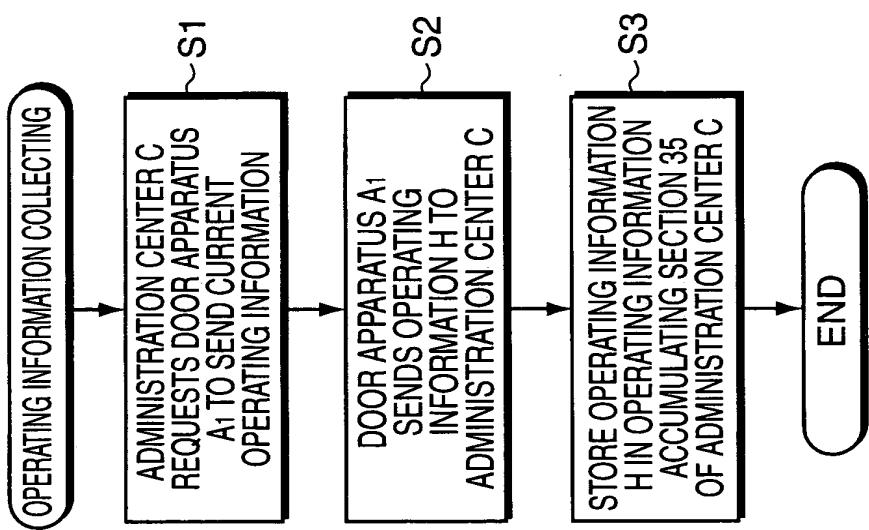


FIG.3B

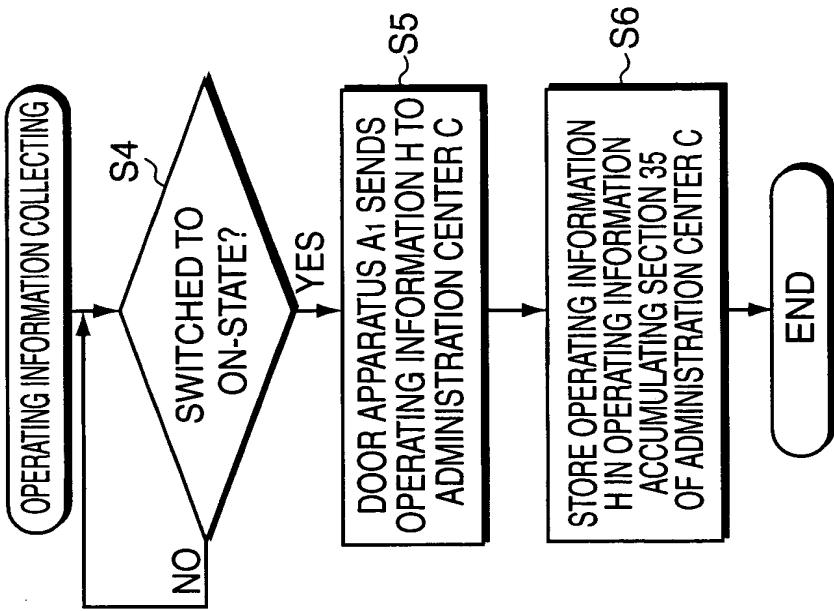


FIG.4A

OCCURRENCE OF ABNORMALITY					
! ABNORMALITY TOOK PLACE DATE & TIME: YY/MM/DD hr:min DOOR APPARATUS ID NO.: 123456789 CONTENTS OF ABNORMALITY: BELT BREAKAGE					
SPECIFIC DOOR INFORMATION	OPERATION HISTORY	HANDLING CASE	CLIENT INFORMATION	CONTACT MAINTENANCE AGENT	CONTENTS OF DIAGNOSIS
ENGINE TYPE	DS-21-N				
DOOR TYPE	SLIDE DOOR				
INSTALLATION DATE	YY/MM/DD				
PERSONNEL IN CHARGE OF INSTALLATION	AA				
FINAL CHECKUP DATE	YY/MM/DD				
CHECKUP CONTENTS	PERIODIC CHECKUP				
FINAL CHECKUP PERSONNEL	BB				
MANUFACTURER					
REMARKS	DETAIL INFORMATION				

FIG.4B

OPERATION HISTORY		OPERATION	RESULT
YY/MM/DD hr:min		START	SELF-CHECK CLEARED
YY/MM/DD hr:min		STOP	
YY/MM/DD hr:min		START MAINTENANCE MODE	
YY/MM/DD hr:min		FINISH MAINTENANCE MODE	
YY/MM/DD hr:min		START	SELF-CHECK CLEARED
YY/MM/DD hr:min		STOP	
YY/MM/DD hr:min		START	SELF-CHECK CLEARED
YY/MM/DD hr:min		STOP	
YY/MM/DD hr:min		START	SELF-CHECK CLEARED
YY/MM/DD hr:min		STOP	

[RESET](#)
[OPERATING INFORMATION](#)

FIG.4C

HANDLING CASE	
EXAMPLES OF HANDLING PROBLEM OF BELT BREAKAGE	
1. xxxxxxxxxxxxxxxxxxxx 2. xxxxxxxxxxxxxxxxxxxx 3. xxxxxxxxxxxxxxxxxxxx	

FIG.5A

OPERATING INFORMATION				
OPERATING INFORMATION MAIN SEARCH				
SEARCH KEYWORD				
ENGINE TYPE	DS-21-N	50a	50b	
CLIENT NAME	ALL	50c	50d	
AREA	ALL	50d	50e	
BUILDER	ALL	50e		
INSTALLATION YEAR	1999	NOW		
<input type="button" value="START SEARCH"/>				
SEARCH RESULT				
ENGINE TYPE	AREA	CLIENT NAME	INSTALLATION YEAR	50f
<input type="button" value="PRINT SEARCH RESULT"/> <input type="button" value="END"/>				

FIG.5B

OPERATING INFORMATION				
DOOR APPARATUS ID NO.123456789				
OPERATING INFORMATION MAIN SEARCH				
SPECIFIC DOOR INFORMATION	OPERATION HISTORY	MAINTENANCE HISTORY	CLIENT INFORMATION	
DOOR APPARATUS ID NO.	123456789			
ENGINE TYPE	DS-21-N			
DOOR TYPE	SLIDE DOOR			
INSTALLATION DATE	YY/MM/DD			
PERSONNEL IN CHARGE OF INSTALLATION	AA			
MANUFACTURER				
REMARKS	51a			
DESIGNATED VALUE	51b			
<input type="button" value="PRINT"/> <input type="button" value="CATALOG INFORMATION"/>				
<input type="button" value="CLOSE"/>				

FIG.6A

MAINTENANCE HISTORY

SEARCH PERIOD 1997 ▼ 01 ▼ 01 ▼ ~ 1997 ▼ 01 ▼ 01 ▼

DATE & TIME	HANDY TERMINAL NO.	REPORT NO.
YY/MM/DD hr:min		MR1234
YY/MM/DD hr:min		MR1235

PRINT

FIG.6B

OPERATION HISTORY

SEARCH PERIOD 1997 ▼ 01 ▼ 01 ▼ ~ 1997 ▼ 01 ▼ 01 ▼

DISPLAY CONTENTS ALL ▼

DATE & TIME	OPERATION	RESULT
YY/MM/DD hr:min	START	SELF-CHECK CLEARED
YY/MM/DD hr:min	STOP	
YY/MM/DD hr:min	START MAINTENANCE MODE	
YY/MM/DD hr:min	FINISH MAINTENANCE MODE	
YY/MM/DD hr:min	START	SELF-CHECK CLEARED
YY/MM/DD hr:min	STOP	
YY/MM/DD hr:min	START	SELF-CHECK CLEARED
YY/MM/DD hr:min	STOP	
YY/MM/DD hr:min	START	SELF-CHECK CLEARED
YY/MM/DD hr:min	STOP	

DETAIL PRINT

FIG.7

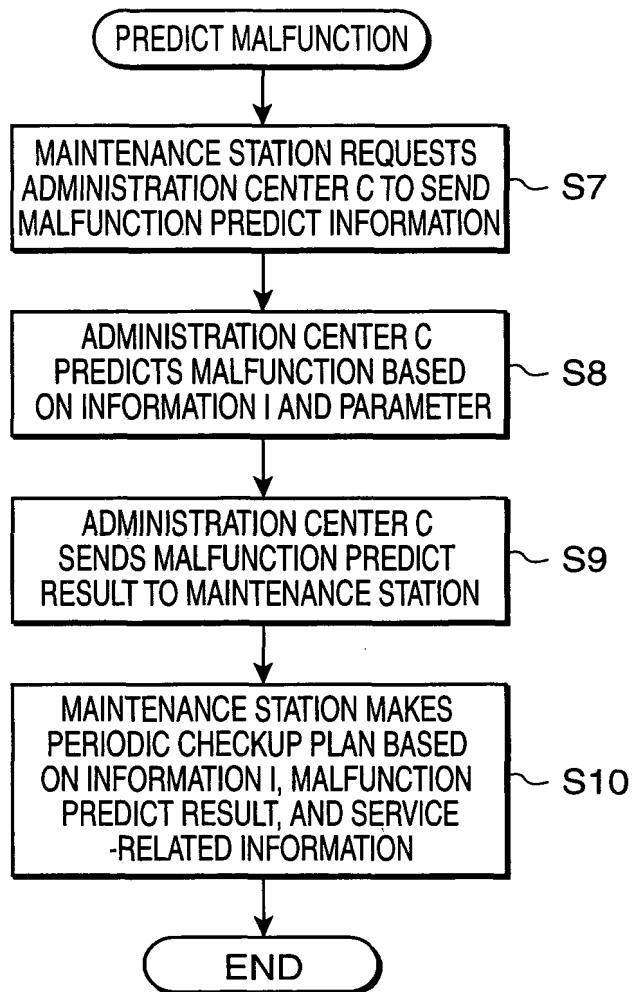


FIG.8A

OPERATING INFORMATION				
MALFUNCTION PREDICT MAIN SEARCH				
SEARCH KEYWORD				
ENGINE TYPE	DS-21-N			60a
EMERGENCY	MAXIMUM			60b
AREA	ALL			60c
SEARCH PERIOD	JANUARY, 2001	▼	MARCH, 2001	▼ 60d
START SEARCH				60e
SEARCH RESULT				
ENGINE TYPE	AREA	CLIENT NAME	INSTALLATION YEAR	▲ 60f
				▼
PRINT SEARCH RESULT			END	

FIG.8B

OPERATING INFORMATION				
DOOR APPARATUS ID NO.123456789				
MALFUNCTION PREDICT MAIN SEARCH				
SPECIFIC DOOR INFORMATION	OPERATION HISTORY	MAINTENANCE HISTORY	CLIENT INFORMATION	PREDICT CONTENTS
DOOR APPARATUS ID NO.	123456789			
ENGINE TYPE	DS-21-N			
DOOR TYPE	SLIDE DOOR			
INSTALLATION DATE	YY/MM/DD			
PERSONNEL IN CHARGE OF INSTALLATION	AA			
MANUFACTURER				
REMARKS				
DESIGNATED VALUE	▼			
PRINT CATALOG INFORMATION				
CLOSE				

FIG.9A

OPERATION HISTORY		
SEARCH PERIOD 1997 ▼ 01 ▼ 01 ▼ ~ 1997 ▼ 01 ▼ 01 ▼		
DISPLAY CONTENTS ALL ▼		
DATE & TIME	OPERATION	RESULT
YY/MM/DD hr:min	START	SELF-CHECK CLEARED
YY/MM/DD hr:min	STOP	
YY/MM/DD hr:min	START MAINTENANCE MODE	
YY/MM/DD hr:min	FINISH MAINTENANCE MODE	
YY/MM/DD hr:min	START	SELF-CHECK CLEARED
YY/MM/DD hr:min	STOP	
YY/MM/DD hr:min	START	SELF-CHECK CLEARED
YY/MM/DD hr:min	STOP	
YY/MM/DD hr:min	START	SELF-CHECK CLEARED
YY/MM/DD hr:min	STOP	

DETAIL PRINT

FIG.9B

MAINTENANCE HISTORY		
SEARCH PERIOD 1997 ▼ 01 ▼ 01 ▼ ~ 1997 ▼ 01 ▼ 01 ▼		
DATE & TIME	HANDY TERMINAL NO.	REPORT NO.
YY/MM/DD hr:min		MR1234
YY/MM/DD hr:min		MR1235

PRINT

FIG.9C

PREDICT CONTENTS

PREDICT CONTENTS	WITHIN 1 WEEK	WITHIN 1 MONTH	WITHIN 3 MONTHS	WITHIN 6 MONTHS
PROBABILITY OF NOISE DUE TO DOOR GEAR ABRASION	20%	30%	60%	100%
PROBABILITY OF NOISE DUE TO RAIL ABRASION	5%	20%	40%	60%
⋮				

FIG. 10

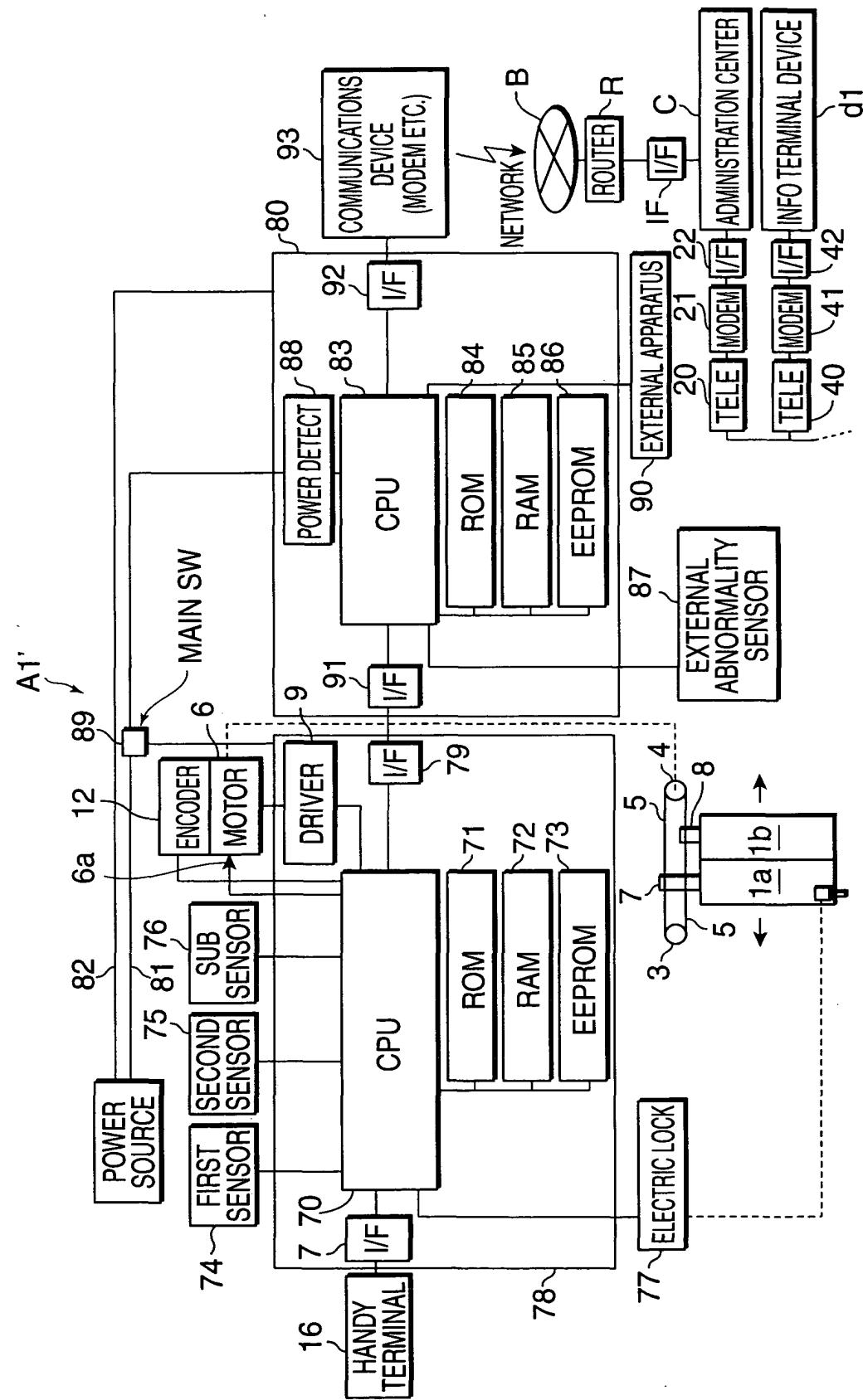


FIG.11

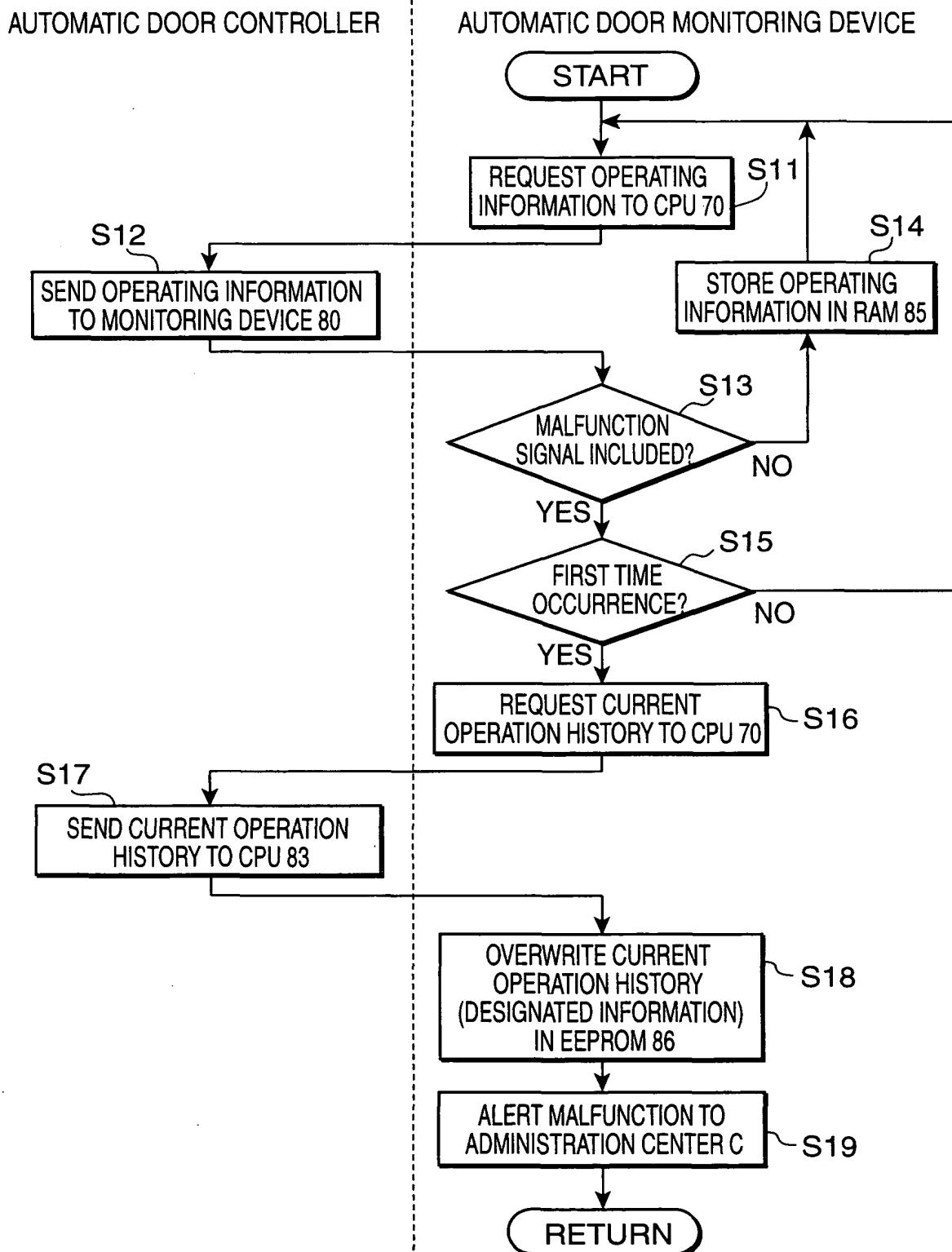


FIG.12

SAFETY RETURN NO.	6
TEMPERATURE SENSOR OPERATED NO.	1
CHECKUP NO.	5
DOOR OPEN/CLOSE NO.	5617
CPU RESET NO.	1

FIG.13

OPENING SPEED (0~7)	7
CLOSING SPEED (0~7)	7
OPEN TIMER (0~3)	1
START TORQUE (0~3)	7
BRAKE TORQUE (0~3)	7
INVERSE TORQUE	5
OPEN CUSHION SPEED (0~3)	2
CLOSE CUSHION SPEED (0~3)	2

FULL-OPEN STROKE (0~100)	92
HALF-OPEN STROKE (0~100)	50

FIG.14

